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Personal Profile

A MSc degree in Construction Management from University of Salford Manchester, I am highly accomplished in creating customised information management platform by developing Project Management Information System (PMIS) approaches, specifically Business Intelligence (BI) solutions, in the construction industry. Furthermore, I have enhanced and standardised this platform by integrating with Building Information Management (BIM) data and construction management modules to represent real-time reports for all project members.

I have had the practical experience to work with SharePoint sites and Power BI Report Server tools to design required forms, workflows, reports, and dashboards to implement the construction information management platform. In this process, PMBOK standards has been applied on this platform based on project information requirement.

I have a deep passion for the advancement in BIM technology. Out of my six years of professional experience, I have spent four progressive years in creating BIM models in Revit and related software. I have Autodesk professional certifications in Architecture, Structure, and MEP Mechanical.

Related Work Experience

Building Information Manager

September 2017 to now, Ziggurat

Ziggurat is one of the leading construction companies in Iran, providing wide ranges of projects including geotechnical and residential projects. PMBOK standard has been applied to all projects and my main responsibility is to provide and develop a standardised process with appropriate technologies based on PMBOK standard to yield the maximum benefits of this standard. The importance of full collaboration among all project teams, integrated information management, and real-time reporting have been realised in our projects to enhance our decision-making progress. It was essential for our company to also use this platform on mobile phones and tablets. The following were my direct responsibilities:

Design and Pre-Construction Phase

- Created architectural, structural, and MEP Revit models and related families based on the information received from the design teams, and coordinate more closely with design team, contractors and clients to reduce the clash detection to achieve zero RFI.
- Generated the model of stabilization of deep excavation and their walls models and related family elements such as Ground Anchors, Soil Nails and Struts by Revit.
- In Ziggurat, Last Planner System (LPS) has been applied for project planning and based on this concept I participated in project planning meeting and drawn the planning in MS Project
- Created 4D simulations by linking Revit model and MS Project schedule in Navisworks Manage to increase the understanding of project schedules among all project members.
- Prepared estimates and model-based quantity take-offs by Revit and transferred them to Excel by Dynamo. Specifically, the link between Revit model, estimations and project schedules provides a great opportunity to have vivid understanding of cash flow and cost estimation prior of implementation of project.
- Conducted clash detection from fully coordinated models by Navisworks Manage.
- Took full responsibilities of information issues and errors related to BIM and resolved the problems in due course to achieve better delivery through BIM.
- Evaluated new BIM software and technologies and following best practice use of BIM method

- Created the BIM Execution Plan (BEP) document and ensured that all data comply with the BEP
- Implemented a document management platform to share the last updated drawings, models, and related data to provide right information at right time for all project members

Construction Phase

- Created a customized information management platform to meet project demands including different dashboards, forms, workflows, and reports for all project members, contractors, designers and clients, to make a right decision at right time.
- Produced different forms and their workflows based on the project information requirements such as inventory lists, QA/QC lists, punch lists, and human resource lists by Nintex Forms and Nintex Workflow in SharePoint sites and put them on their dashboard to register data on it by their mobiles and tablets
- Analysed the results of the collected data and developed comprehensive interactive reports and dashboards in Microsoft Power BI and SQL Server Reporting Services (SSRS), such as progress report, human resource histogram and contractors' performance reports.
- Linked all data, internal or external, on the platform to produce customised reports. For instance, linking daily reports, BIM data, QA data, and other required data to draw the progress curve of the project automatically on the project dashboard by Power BI. These real-time reports have significantly enhanced the understanding of the status of projects for all project members.
- Assigned tasks, based on the project planning, to the responsible party and put the tasks in their dashboard by Microsoft Project Server. In this process, required Revit model, equipment install simulations and drawing were attached on the dashboard to have better image of what to do
- Coordinated and keep a record of BIM models were up to date and accurate and checked quality control, deliverables and milestones of Revit model based on the LOD of project.
- Simulated a complex part or a part that have specific sequences for installation and attached the simulation and related data to the platform

Site Engineer

October 2014 to September 2015, Kariz Saze Gharb (K.S.G.)

8 floor residential building with concrete structure and 8 m excavation. In this competitive market, the high quality of design, building and minimising cost overruns were essential. As a Site Engineer, extra to my routine responsibilities I had to consider cost and waste reduction.

- Chief Quality Control Inspector, notified the contractors the quality issues to revise their faults especially in finishing work and building concrete structure
- Based on long-term relationship among contractors, I worked with teams that had been working with each other for about 20 years
- Managed and monitored the building processes, interpreted the design documents, and provided feedback and reported to the design team and contractors
- Prepared architectural details of the projects. My architectural background helped me to make recommendations to the design team.

Assistant Site Engineer and member of interior design department

October 2013 to August 2014, Hezaro Yek Shahr

The project was an office building with enormous details.

- Based on high quality of building, a strict quality management for identifying defects was conducted especially in finishing work such as tiling and levelling
- Based on my role as a connection between two teams, I resolved some clashes and made some recommendations and prepared daily reports to the design team

- Prepared detailed as-built drawings to report to the interior design team

Assistant Project Manager and member of design team

April 2012 to September 2013, Family business, Residential Project

6 floor residential building with concrete structure. I was an active member of the project management team and design team during the whole project.

- Acquired rewarding experience by being involved in negotiations with contractors and suppliers and motivated and led them through project delivery
- Member of design team; this improved my skills in designing a residential project and understanding regulations. As a designer, I learned how to justify my design to achieve business plan objectives
- Successfully implemented project planning and schedules on time and budget by Gantt chart and visual management methods

Education

January 2016 to May 2017, University of Salford, Manchester UK

MSc Construction Management with Merit (accredited by RICS, CIOB and APM)

There was a sharp focus on BIM and main modules, including:

1. Project and Production Management
2. Finance and Risk Management
3. Performance and Integration Management
4. Procurement and Supply Chain Management

My MSc dissertation was on Core Components for Successful Integrated Information Management through BIM.

There are more detailed discussions, workshops and research that has had great influence on me to yield their benefits and applied them on my projects. Their titles are about:

- Lean construction, Last Planner System and 5S
- Analysing organisational and cultural factors for BIM such as change management
- BIM processes including ISO 19650, BEP, and EIR
- BIM technologies and software

September 2009 to January 2014, I.A.U. West Tehran

First Class BSc Honours Architectural Engineering (86/100)

Broad-based degree covering architectural design, technical design, building materials, general knowledge about structures, quantity surveying, site management modules

Certifications and IT

- Revit Architecture Certified Professional, Verify using:
<https://www.youracclaim.com/go/joB2hFkn>
- Revit Structure Certified Professional, Verify using:
<https://www.youracclaim.com/go/z9stR40X>
- Revit MEP: Mechanical Certified Professional, Verify using:
<https://www.youracclaim.com/go/Bskughl4>
- Proficient in the use of Revit Architecture, Revit Structure, and Revit MEP and AutoCAD in different projects
- Good knowledge of working with Navisworks Manage, MagiCAD, Dynamo, MS Project, Lumion, Enscape, Adobe Photoshop, Word, Excel, and PowerPoint
- Good knowledge of working with SharePoint, Nintex Forms, Nintex Workflow, Power BI, SQL Server Reporting Services (SSRS), Microsoft Project Server, HTML, CSS

Communication

Successfully developed strong working relationship amongst project teams and negotiated confidently with all project members. I believe in effective communication to reduce misunderstanding of demands, expectations and technical issues on projects. My onsite role and architectural background helped me to manage the relationship between contractors and design teams. As a student representative at University of Salford UK, I worked with different students with different cultural background from different countries. This multi-cultural atmosphere has developed my communication skills considerably.

Honours

Top student (86/100) among the graduates of Architectural Engineering students in 2014 which led me to be awarded £3000 scholarship to study MSc Construction Management at the University of Salford UK. I was chosen to be the students' representative on the course